

strand synthesis, sequencing a synthesized strand, and a combination thereof, the kit comprising a plurality of species of functionalized nanocrystal-labeled nucleobases, wherein an amount of each species of functionalized nanocrystal-labeled nucleobase is separately packaged, wherein each species of functionalized nanocrystal-labeled nucleobase comprises a different nucleobase type than the nucleobase type of the other species of the plurality of species of functionalized nanocrystal-labeled nucleobases, and wherein each species of functionalized nanocrystal-labeled nucleobase is differentially labeled with a species of functionalized nanocrystal that can emit a fluorescence emission that is spectrally resolvable as compared to the species of functionalized nanocrystals used to label the other species of the plurality of species of functionalized nanocrystal-labeled nucleobases.

claim 6

Please cancel claims 4 and 6.

Please cancel claims 13-22 as being drawn to a non-elected invention.

#### Remarks

The Applicants affirm election of claims 1-12, as corresponding to Group I of the Examiner's Groupings, and have canceled claims 13-22 as being drawn to a non-elected invention. The Applicants reserve the right to file one or more divisional applications with respect to the non-elected claims. The Applicants are appreciative of the Examiner's reminder concerning 37 CFR 1.48(b), and note that the currently named inventors each remain an inventor in at least one claim of the elected claims 1-12 (and pending claims 1-3, 5, and 7-12).

Currently pending are claims 1-3, 5, 7-12, & 23-34 for a total of 22 claims, with claims 1, 8, 10, 23, 26, 29, and 32 as being independent claims. Accordingly, payment for 2 "excess" claims & 4 independent claims is \$174, \$78 of which is included in the enclosed check, and \$96 of which the Examiner is respect-

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

*note*  
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It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Renumber claims 6-10 as claims 4-8.

Renumber claims 11-13 as claims 9-11.

Renumber claim 5 to be claim 12, so as to be dependent on newly numbered claim 9 as follows.

12. The functionalized nanocrystal-labeled nucleobase according to claim 9, wherein the amino acid comprises diaminocarboxylic acid.

Renumber claim 14 as claim 13.

Renumber claim 4 to be claim 14, so as to be dependent on newly numbered claim 13 as follows.

14. The functionalized nanocrystal-labeled nucleobase according to claim 13, wherein at least one additional coating comprises an amino acid, and wherein the amino acid comprises diaminocarboxylic acid.

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